

EXECUTIVE SUMMARY

Prepared February 13, 1996
Amended March 26, 1998
Second Amendment September 7, 2000

Mine Name: Parley's Canyon Rock Quarry
Operator: Harper Contracting, Inc.
4655 West 5415 South
P.O. Box 18400
Kearns, Utah 84118
Telephone: (801) 250-0132
Contact Person: Lawnie Mayhew
Life of Mine: 40 years

I.D. No: M/035/012
County: Salt Lake County
New/Existing: Existing LMO
Mineral Ownership: Patented, State, USFS
Surface Ownership: Patented, State, USFS
Lease No.(s): ML-45599
Permit Term: 5 Years

Amended Changes to original NOI: Expansion of the project will expand the operation from 21.9 acres to 56.0 acres

Legal Description: SW/4 Section 18, and NW/4 Section 19, Township 1 South, Range 2 East, SLBM

Mineral(s) to be Mined: Limestone. Mine products include: road base, sewer rock, concrete aggregate, engineered fill, run of mine (ROM), and landscape rock.

Mining Methods: Conventional open pit surface mining by drilling and blasting. Limestone is crushed and screened onsite to appropriate product sizes.

Acres to be Disturbed: Total disturbed area will be 56.0 acres. Historically disturbed area which is being redisturbed is 39.1 acres. Previously undisturbed area which will be disturbed is 16.9 acres. Reclamation treatments will be performed on 44.4 acres.

Present Land Use: Mining

Postmining Land Use: Continued quarrying operations, or wildlife habitat in the event operations are not continued.

Variances from Reclamation Standards (Rule R647) Granted:

R647-4-111 Topsoil - Areas disturbed prior to Harper's operations had no topsoil salvaged and stockpiled; therefore, these areas are granted a variance to this rule. Previously undisturbed areas which will be disturbed are rocky and steep with minimal topsoil. These conditions make salvaging topsoil impractical. Revegetation will be accomplished by amendment of wastes generated by this operation.

R647-4-111 Revegetation - The Division standard of achieving 70% of pre-mining vegetative cover will not be applied to this site. Revegetation efforts at this site will be considered "successful" when the revegetation treatments have been preformed according to the approved plan. The performance of these treatments will need to be verified in the field by Division personnel.

Soils and Geology:

Soil Description: There is no topsoil within any of the areas which were previously mined. The areas proposed to be mined, which were previously undisturbed, are mainly limestone outcrop and talus slopes.

pH: Unknown due to the lack of soil.

Special Handling Problems: None.

Geology Description: The project area is characterized by Cretaceous and Pennsylvanian sedimentary rock.

Hydrology:

Ground Water Description: These formations exhibit moderately low permeability, the primary porosity of the sediments is slight and there is only minimal secondary porosity due to the presence of joints or fractures (Healy, et al, 1971). There is no known groundwater of any significance in the vicinity, except for the existence of two intermittent springs which will not be impacted.

Surface Water Description: The surface water in this area is ephemeral in nature. Two intermittent springs outcrop west of the operation on Forest Service property which may intersect, flow along side of, or cross the pit access road.

Water Monitoring Plan: There is no plan or requirement to monitor surface water at this time.

Ecology:

Vegetation Type(s); Dominant Species: The area surrounding the mine site is typical oakbrush/ mountain brush vegetation type, dominated by gambel's oak, bigtooth maple, and chokecherry with an understory of mules ears, oregon grape and bedstraw.

Percent Surrounding Vegetative Cover: Area surrounding the mine site 50% - 60%

Wildlife Concerns: No impacts to threatened or endangered species or their critical habitats are expected. The surrounding area is valuable deer and elk winter habitat. The reclamation plan is designed to provide a quality forage for these species.

Surface Facilities: The crushing and screening plants consisting of: a cone crusher, jaw crusher, a three deck screen, and associated conveyor equipment. A scale trailer will be on site and some miscellaneous equipment (fuel tanks, water tanks). All equipment will be mobile.

Mining and Reclamation Plan Summary:

During Operations:

Airtrack drills will be used to drill blast holes, although a larger production drill may be used to meet production requirements. The holes would then be loaded with ANFO and blasted. The blasted material will be pushed with a dozer to either the southwest or eastern edge of the mining pit where it will run down a slope to the process areas. The material is loaded into trucks using a front end loader or it is transferred to a crushing/screening plant for further processing. The products are trucked from the site for distribution. The outer lip of a ridge line will act as a visual buffer for the active quarry area. All new roads will be located on private lands. Existing roads on USFS land will also be used during operations.

After Operations:

At the conclusion of mining, all trash, oil, fuel, equipment, debris and structures will be removed from the site. All remaining stockpiles of loose material would be graded down to slopes of 3H:1V or less. Any trenches would be backfilled to eliminate safety hazards. Highwalls will be left as is, with a 3 foot high safety berm in place at the outer edge of the bench. The overall slope angle of the new quarry face would be 45° or less. Quarry benches will receive revegetation treatments. There will be no ponds or other impounding structures remaining after operations. Roads to be reclaimed will be regraded to eliminate the inner roadside ditches and to convey runoff across the road surface by adequately spaced water bars. Reclaimed roads and the processing area will be scarified to increase infiltration of water and enhance revegetation potential. The ripped and scarified areas will be treated with a composted manure at a rate of 20 tons/acre. The Division approved seed mix will be broadcast over the reclaimed areas. Vehicle access to these reclaimed areas will be restricted by six foot high berms.

Surety:

Amount: \$53,900

Form: Surety Bond (National Fire Insurance Co) #137997403

Renewable Term: 5 years (2005)